

ATTACHMENT 1-A

POST-CLOSURE INSPECTION, MONITORING, AND MAINTENANCE OF SOLID WASTE MANAGEMENT UNITS (SWMUs)

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The inspection, monitoring, and maintenance requirements of this plan apply to Solid Waste Management Units (SWMUs) located on the Tooele Army Depot (TEAD), as well as portions of the installation transferred in 1998 under the authority of the Base Realignment and Closure (BRAC) Act. These requirements apply to all SWMUs where engineered or administrative Institutional Controls (ICs), as well as monitoring requirements were applied to the site as part of the corrective measures implemented. ICs and monitoring requirements applied at each SWMU are fully described in the Corrective Measures Study Reports listed in Attachment 4, Section B. and Site Management Plans listed in Attachment 4, Section G. of this permit. Table 1 provides a summary of ICs and monitoring requirement at each site.

Table 1
Institutional Controls and Monitoring Requirements

| SWMU # | SWMU Description | Residential Land Use Controls | Residential Deed Restrictions | Site Fencing | Site Signage | Excavation Restrictions | Soil Cover | Asphalt Cap | Ground Water Monitoring |
|---------------|--|---|--------------------------------------|---------------------|---------------------|--------------------------------|-------------------|--------------------|--------------------------------|
| 1b | Propellant Burn Pad | • | | • | • | • | | | |
| 1c | Trash Burn Pits | • | | • | • | • | | | |
| 3 | X-Ray Lagoon | • | | • | | | | | |
| 4 | Sandblast Areas – Bldgs 600, 615, & 617 | | • | | | | | | |
| 10 | TNT Washout Ponds | <i>Requirements to be Identified at Completion of Corrective Measures</i> | | | | | | | |
| 11 | Laundry Effluent Ponds | • | | | | | | | |
| 12 | Pesticide Disposal Area | <i>Requirements to be Identified at Completion of Corrective Measures</i> | | | | | | | |
| 15 | Sanitary Landfill | <i>Requirements to be Identified at Completion of Corrective Measures</i> | | | | | | | |
| 19 | AED Demilitarization Test Facility | • | | | | | | | |
| 20 | AED Deactivation Furnace Site | <i>Requirements to be Identified at Completion of Site Mgmt Plan</i> | | | | | | | |
| 21 | Ammo Deactivation Furnace Site | <i>Requirements to be Identified at Completion of Site Mgmt Plan</i> | | | | | | | |
| 25 | Battery Shop – Bldg 1252 | • | | | | | | | |
| 26 | DRMO Storage Yard | | • | | | | | | |
| 29 | Drum Storage Area | | • | | | | | | |
| 34 | Pesticide Handling and Storage Area – Bldg 518 | • | | | | | | | |
| 37 | Contaminated Waste Processor | • | | | | | | | |
| 42 | Bomb Washout Facility – Bldg 539 | <i>Requirements to be Identified at Completion of Corrective Measures</i> | | | | | | | |
| 45 | Storm Water Holding Pond | • | | | | | | | |
| 46 | Used Oil Dumpsters – Bldg 611 | | • | | | | | | |
| 48 | Old Dispensary | • | | | | | | | |
| 49 | Storm/Industrial Waste Water System | | • | | | | | | |
| 50 | Compressor Condensate Drains – Bldgs 613 & 619 | | • | | | | | | |
| 51 | Chromic Acid/Alodine Drying Beds | | • | | | | | | |
| 52b | Disposal Trenches | | • | | | • | | | |
| 54 | Sandblast Areas – Bldgs 611 & 637 | | • | | | | | | |

Monitoring Plan

1. Security

a. Post closure use of or on the SWMUs listed in Table 1, shall be used solely for industrial/commercial use, and not for residential purposes. Residential uses include, but are not limited to housing, day-care facilities, and schools. Industrial/commercial uses include, but are not limited to administrative/office space, manufacturing, and warehousing.

b. The Permittee shall protect against illegal trespassing on the SWMUs listed in Table 1 that remain on TEAD property. The entire TEAD property, which contains a number of the SWMUs listed in Table 1 shall be surrounded by a barbed wire perimeter fencing. Security on the Depot confines shall be maintained by 24-hour surveillance, and by patrolling armed security personnel. In addition, access to the Depot shall be restricted and gained only through guarded gates.

2. Ground Water Monitoring

a. The Permittee shall monitor contaminants and aquifer characteristic of ground water underlying SWMU 10 – TNT Washout Ponds, SWMU 12 – Pesticide Disposal Area, and SWMU 15 – Sanitary Landfill. Monitoring shall be conducted in conjunction with the semi-annual monitoring of SWMU 2 – Industrial Waste Lagoon. The primary objectives of the ground water monitoring program shall be:

(1) To monitor the groundwater contaminant concentrations allowing for the tracking of the reduction in plume size, and the reduction of contaminant concentrations.

(2) To monitor aquifer characteristics and collect data required to determine plume stability through on-going modeling efforts.

(3) Table 1 of Attachment 1 provides a list of monitoring wells available for use under the ground water monitoring program specified in Module V of this permit. A map showing the location of available monitoring wells is provided as Figure 1 of Attachment 1. Ground water investigations are on-going at TEAD and periodically new monitoring wells are constructed. The selection of monitoring wells during semi-annual sampling events shall not be limited by wells listed in Attachment 1.

Inspection Plan

1. Land Use Inspection Requirements

a. The Permittee shall conduct semi-annual land use inspections on all sites identified in Table 1 having “Residential Land Use Restrictions” or “Residential Deed Restrictions”. As part of this inspection, the Permittee shall:

(1) Verify that deed restrictions preventing any residential building construction are part of the deed for SWMUs identified in Table 1 that are located on portions of the

installation transferred in 1998 under the BRAC action. Any differences between the stated land use restrictions, and those identified in Table 1 will be stated in the monitoring report.

(2) Verify that land use restrictions preventing any residential building construction are documented in the installations Master Plan for SWMUs identified in Table 1 that are located on TEAD. Any differences between the stated land use restrictions, and those identified in Table 1 will be stated in the monitoring report.

(3) The Permittee will perform a site visit and visually inspect the site, observing and noting any changed and abnormalities including soil erosion, soil color, habitat, vegetation, building construction, and digging. Any findings shall be recorded in the monitoring report.

(4) The Permittee will photograph each SWMU during the site visit and visually inspection to document the physical conditions at the site. Photographs will be labeled with the location of the photograph, direction facing, date photographed, and a description of any relevant features in the photograph. Copies of the photographs shall be included in the monitoring report.

b. Monitoring Report – The monitoring report shall be due semi-annually on April 15th and October 15th of each year. The report shall include at a minimum the following:

- (1) Brief Summary
- (2) Verification of restrictions in the deed or Installation Master Plan.
- (3) Site Inspection Report
- (4) Photographs Documenting Site Conditions.

2. SWMU - 10 TNT Washout Ponds

(Requirements to be identified upon completion of corrective measures)

2. SWMU 12/15 - Pesticide Disposal Area/Sanitary Landfill Inspection

(Requirements to be added upon implementation of corrective measures)

3. SWMU 20 - AED Deactivation Furnace Site Inspection

(Requirements to be added upon completion of the site management plan)

4. SWMU 21 - Ammo Deactivation Furnace Site Inspection

(Requirements to be added upon completion of the site management plan)

5. SWMU 42 - Bomb Washout Facility Inspection

(Requirements to be added upon implementation of Corrective Measures)

Maintenance Plan

1. SWMU 12/15 - Pesticide Disposal Area/Sanitary Landfill

(Requirements to be added upon completion of corrective measures)

2. SWMU 20 AED Deactivation Furnace

(Requirements to be added upon completion of the site management plan)

3. SWMU 21 Ammo Deactivation Furnace

(Requirements to be added upon completion of the site management plan)

4. SWMU 42 Bomb Washout Facility

(Requirements to be added upon completion of corrective measures)